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# Hun-Yang SOON

Nationality	Malaysian													
Education	<p><b>2002- 2003</b></p> <p><b>Focus areas</b></p> <p><b>Master thesis</b></p> <p><b>1995 -1998</b></p> <p><b>Focus areas</b></p>	<p><b>MSc. (Environmental Management and Policy)</b>                  International Institute for Industrial Environmental Economics (IIIEE), Lund University, Sweden</p> <p><i>Policy and economic instruments, preventative environmental strategies, strategic environmental management, international environmental law, renewable energy, environmental technologies, wastewater management.</i></p> <p>Policy constraints in advocating ecological sanitation in developing countries – Case of Kuching, Malaysia</p> <p><b>B.Technology (Hons)- (Environmental Engineering)</b>                  Massey University, New Zealand</p> <p><i>Wastewater engineering, solid waste management, environmental economics and management, cleaner production and technologies, process engineering and environmental science.</i></p>												
Selected Work Experiences	<p><b><i>Eco-Ideal Consulting Sdn. Bhd.</i></b>  <i>Oct 2003-Present</i>  <i>Chief Executive Officer / Technical Director</i></p> <p><b><u>GHG/ Carbon Management Advisory</u></b></p> <table border="1" data-bbox="516 1339 1516 1934"> <thead> <tr> <th data-bbox="516 1339 1325 1381">Description</th> <th data-bbox="1325 1339 1516 1381">Duration</th> </tr> </thead> <tbody> <tr> <td data-bbox="516 1381 1325 1486">National Corporate GHG Reporting Programme (NCGRP/MYCarbon) for Ministry of Natural Resources and Environment, funded by UNDP.</td> <td data-bbox="1325 1381 1516 1486">Aug 2013-on going</td> </tr> <tr> <td data-bbox="516 1486 1325 1591">Best Management Practices to Reduce Operational GHG emissions from Palm Oil Production for Roundtable for Sustainable Palm Oil (RSPO).</td> <td data-bbox="1325 1486 1516 1591">Dec 2012-May 2013</td> </tr> <tr> <td data-bbox="516 1591 1325 1696">National Carbon Disclosure Program for Ministry of Natural Resources and Environment, funded by United Nations Development Programme (UNDP).</td> <td data-bbox="1325 1591 1516 1696">Apr – Oct 2012</td> </tr> <tr> <td data-bbox="516 1696 1325 1801">UNEP ASEAN Climate Change Action Database (ACCAD) project, funded by United Nations Environment Programme (UNEP-ASEAN).</td> <td data-bbox="1325 1696 1516 1801">Jul – Aug 2012</td> </tr> <tr> <td data-bbox="516 1801 1325 1934">National Specialist to the Ministry of Natural Resources and Environment / UNDP/GEF/ Eco-Factor. National Capacity Needs Self Assessment Project – Capacity Development Action Plans for UNFCCC.</td> <td data-bbox="1325 1801 1516 1934">Aug 2007-2008</td> </tr> </tbody> </table>		Description	Duration	National Corporate GHG Reporting Programme (NCGRP/MYCarbon) for Ministry of Natural Resources and Environment, funded by UNDP.	Aug 2013-on going	Best Management Practices to Reduce Operational GHG emissions from Palm Oil Production for Roundtable for Sustainable Palm Oil (RSPO).	Dec 2012-May 2013	National Carbon Disclosure Program for Ministry of Natural Resources and Environment, funded by United Nations Development Programme (UNDP).	Apr – Oct 2012	UNEP ASEAN Climate Change Action Database (ACCAD) project, funded by United Nations Environment Programme (UNEP-ASEAN).	Jul – Aug 2012	National Specialist to the Ministry of Natural Resources and Environment / UNDP/GEF/ Eco-Factor. National Capacity Needs Self Assessment Project – Capacity Development Action Plans for UNFCCC.	Aug 2007-2008
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	Trainer in “CDM Training: Capacity Enhancement on Assessment & Demonstration of Additionality & PDD Development”, Malaysia Green Technology Corporation (MGTC).	23 Aug 2010 & 22-23 Sep 2010																				
	National Expert for Terminal Evaluation of the Biomass-based Power Generation and Cogeneration (BioGen) in the Palm Oil Industry (BioGen) Project – Phase I for UNDP.	2010																				
	CDM Capacity Building Programme under DANIDA Renewable Energy / Energy Efficiency Project in Malaysia, Ministry of Energy, Water and Communication / Malaysian Energy Centre (PTM) / DANIDA.	Jul 2005- Mar 2007																				
	Carbon charting for internal office as well as private companies.	May 2011- ongoing																				
	<b><u>Renewable Energy and Energy Efficiency/ Carbon Development Mechanism (CDM)/ Carbon Reduction Projects and Project Management</u></b>																					
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	Prefeasibility Study “Assessment of waste resources availability, CAPEX, OPEX, review of technology, regulatory requirement, incentives and barriers – for Biogas Production from Palm Oil Waste (EFB & POME)” in Selected Areas in Malaysia for Mitsubishi Corporation	Jul 2009 – May 2010
	Development of “A Guide to Energy Efficiency Management in Sewage Treatment” for Indah Water Konsortium (IWK) Sdn. Bhd.	Dec 2008 – Jun 2010
	Involved in the approval of new CDM methodology (AM0057) for utilising Empty Fruit Bunches (EFB) in pulp and paper industries	2007
	Conducted Pre-feasibility study and biogas design for biogas applications in the animal waste. Assessment of application of biogas recovery and utilization of piggery waste in the Centralised Pig Farming Area in Pasir Puteh, Samarahan, Sarawak	2006
	Provided consultancy (feasibility, baseline study and PDD) towards the successful registration of the world’s first POME biogas project (POME biogas project at Kim Loong’s Palm Oil Mill at Kota Tinggi, Johor) with the United Nations CDM Executive Board	2006 – Mar 2011
	Conducted assessment on Strategic Environmental Assessment on Palm Oil based Diesel, DANIDA Renewable Energy & Energy Efficiency Project	Dec 2004
	Barrier Analysis of Biomass Supply Chain as Renewable Fuel in Malaysia for DANIDA (Danish International Development Assistance)/ EPU(Economic Planning Unit) Renewable Energy / Energy Efficiency Project	Apr 2005 – 2007
	Conducted Palm oil mill effluent (POME) baseline study for determining methane emissions in Malaysia, DANIDA Renewable Energy & Efficiency Project. The project includes monitoring of POME in Selangor and Pahang	Jul 2005 – Mar 2006
	Conducted Pre-feasibility Study on Wood Waste to Energy Power Plant in Bintulu, Sarawak for DANIDA Urban Environmental Management System (UEMS) Project	Dec 2004 – Feb 2006
	Policy analysis in Waste to Energy Projects (landfills, palm oil waste as well as biodiesel) for DANIDA / EPU Renewable Energy / Energy Efficiency Project	Dec 2004 – Mar 2005
	Conducted study on CDM Potential in Waste Sectors in Malaysia, funded by DANIDA and Malaysian Energy Centre	Aug 2004 – Mar 2005
	Involved in energy audit survey for a project: “Increasing Awareness and Building Capacity of Urban Malaysians on Sustainable Energy Option”’s funded by UNDP/GEF	2004
<b><u>Capacity Building Programmes and Training</u></b>		
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	Development of Malaysia CDM Registry IT Portal for the Ministry of Natural Resource and Environment	May 2010- May 2011
	Capacity building for CDM Secretariat in Malaysia	2010

	National Specialist to the Ministry of Natural Resources and Environment / UNDP/GEF/ Eco-Factor. National Capacity Needs Self – Assessment Project.	Aug 2007 – 2008																
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	<p>The study on the existing practice of solid waste recycling in Malaysia. Assist in interview, data analysis, and reporting. Department of National Solid Waste Management Malaysia / GSR Environmental Consultants Sdn. Bhd./PE Research.</p>	<p>Nov 2011 – Aug 2012</p>
	<p>Stage 1 Survey on Public Attitude to <b>E-waste</b> in Penang Island. “The Project for Model Development for e-waste Collection, Segregation and Transportation from Households for Recycling” implemented by Department of Environment (DOE) with cooperation from Municipal Council of Penang Inland (MPPP), funded by Japan International Corporation Agency (JICA).</p>	<p>Nov - Dec 2011</p>
	<p>Formulation of Food Waste Plan for Greater Kuala Lumpur and Klang Valley for Ministry of Housing and Local Government (MHLG)/ Malaysian Environmental Resources Centre Sdn. Bhd. (MERC).</p>	<p>Jul 2011 – Jan 2012</p>
	<p>Conducted study on scrap tyres management for Peninsular Malaysia. Department of National Solid Waste Management Malaysia/ Chemsain Konsultant Sdn. Bhd.</p>	<p>Mar-Jul 11</p>
	<p>Provided consultancy and developed dissemination reports (see below) for solid waste related activities and programme under the Community Initiatives and Educational Fund of DANIDA-Solid Waste Management Component:</p> <ul style="list-style-type: none"> <li>✓ “Composting – Closing the Loop at Home” (A Household Home Composting Programme in Majlis Bandaraya Petaling Jaya (MBPJ)), DANIDA SWMC (2010);</li> <li>✓ “Involving the Community in 3R” (Community 3R Centre Programme in Pekan, Pahang), DANIDA SWMC (2010);</li> <li>✓ “Source Separation of Food Waste from Hawkers – Turning Waste into Compost” (Creating Awareness and Participation in Recycling among Hawkers in Subang Jaya), DANIDA SWMC (2010); and</li> <li>✓ “Survey on Participation Rates in Scheduled Collection of Bulky and Green Waste in Majlis Bandaraya Melaka Bersejarah (MBMB)”, DANIDA SWMC (2009);</li> </ul>	<p>2006 - 2010</p>
	<p>Conducted surveys, studies and developed reports (see below) for DANIDA-Solid Waste Management Component:</p> <ul style="list-style-type: none"> <li>✓ “Study on Rural Household Waste Management in Peninsular Malaysia”, DANIDA SWMC (2010);</li> <li>✓ “Survey on Existing Practices of Private Waste Transporters in Melaka”, DANIDA SWMC (2009);</li> <li>✓ “Survey on Waste Amount, Storage Capacity and Waste Density in Landed Residential Areas”, DANIDA SWMC (2009);</li> <li>✓ “Survey on Existing Solid Waste Management Practices in High-rise Buildings, DANIDA SWMC” ( 2009);</li> <li>✓ “Good Practices on Solid Waste Management in Malaysia”, DANIDA SWMC (2009); and</li> <li>✓ “Survey on Generation of Non-Hazardous Industrial Wastes in Selected Industrial Areas in Melaka”, DANIDA SWMC (2008).</li> </ul>	<p>2006 – 2010</p>

	Planned and designed of waste audit in boarding schools in Marang District. MHLG/DANIDA Solid Waste Management Component.	Feb 2006- Jun 2008						
	Involved in the development of a handbook titled: "Guideline for Landfill Data Updating for Ministry of Housing and Local Government"	Nov 2007 – Jun 2008						
	Management study on amount, generation and flow of <b>electronic and electrical (EE) waste</b> in Singapore and Malaysia, funded by Ministry of Environment, Japan	2007						
	Involved in the development of indicators related to solid waste management in Malaysia	2006						
	Waste Minimisation (recycling) Master Plan Study; sub-consultant assisting in generating material flow of various recyclable items in East Malaysia and identification of recycling pilot project	2005 – 2006						
	Conducted Cost Benefit Assessment of Organic Waste Technologies for hotels and university in Penang, funded by the Asian Productivity Organisation (APO), Japan	Dec 2004- July 2005						
	Assessment of fast rate composting technologies for organic food waste and household composting option (compost bin, vermin-composting etc.) in Kuching	2005						
	Developed a handbook titled: Guidelines for Illegal Dumping Monitoring and Waste Composition Analysis"	2005						
	Developed a handbook for Implementation of 3-R in Schools	2005						
	Preparation of Technical Working on SWM in Malaysia for DANIDA/EPU Malaysia SWM component, including hazardous waste policy, regulation and institution review.	2004						
<p><b>Natural Resources and Environmental Board, Sarawak, Malaysia</b>  1999- August 2002  Environmental Control Officer / Project Coordinator</p> <p><b>Solid Waste Management/ Data Management</b></p> <table border="1"> <thead> <tr> <th>Description</th> <th>Duration</th> </tr> </thead> <tbody> <tr> <td>Solid Waste Management in Kuching, Sarawak– DANIDA/Sarawak Government: Urban Environmental Management System Project, Sarawak</td> <td>2001-2002</td> </tr> <tr> <td>Management of the Sustainable Urban Development Project in Kuching City, Sarawak. Key experiences gained include environmental planning and management especially in urban areas related to waste management and water quality sector, legal and institutional aspects, capacity development, environmental technologies, monitoring and reporting, database development, project management &amp; report writing skills</td> <td>1999-2002</td> </tr> </tbody> </table>			Description	Duration	Solid Waste Management in Kuching, Sarawak– DANIDA/Sarawak Government: Urban Environmental Management System Project, Sarawak	2001-2002	Management of the Sustainable Urban Development Project in Kuching City, Sarawak. Key experiences gained include environmental planning and management especially in urban areas related to waste management and water quality sector, legal and institutional aspects, capacity development, environmental technologies, monitoring and reporting, database development, project management & report writing skills	1999-2002
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<p>Affiliation</p>	<ol style="list-style-type: none"> <li>1. International Solid Waste Association (ISWA) – Individual member (2000-present)</li> <li>2. Waste Management Association of Malaysia (WMAM) – Member (2007-present)</li> <li>3. Registered with Board of Engineer Malaysia</li> <li>4. Environmental Impact Assessment (EIA) Assistant Consultant (Wastewater/ Water Quality and General Environmental Management), Department of Environment (DOE), Malaysia – AS0643</li> <li>5. Environmental Impact Assessment (EIA) Consultant (Individual), Natural Resources and Environment Board, Sarawak, Malaysia – NREB/1/00625</li> <li>6. Institution of Engineers (IEM) Malaysia – Graduate Member (2000-present)</li> <li>7. Environmental Management &amp; Research Association (Ensearch) – Member (1999-present) - member of Cleaner Production Interest Group, Water Management Interest Group, Environmental Management Interest Group</li> <li>8. Member, Association of Environmental Consultants Sarawak</li> </ol>
<p>Language ability</p>	<ol style="list-style-type: none"> <li>1. English (Writing and Speaking - Excellent)</li> <li>2. Mandarin and several chinese dialects (Writing and Speaking - Excellent)</li> <li>3. Bahasa Malaysia (Writing and Spoken - Good)</li> </ol>
<p>Referees</p>	<ol style="list-style-type: none"> <li>1. Mr. Ib Larsen, ex-Chief Technical Advisor for DANIDA / Ministry of Housing and Local Government Solid Waste Management Component. (phone : +60-198570423 or e-mail : iblarsen1@gmail.com)</li> <li>2. Mr. Peter Sawal, Controller of Environmental Quality, Natural Resources and Environment Board, Sarawak, Malaysia. (phone: +60-82-312800 or e-mail: peters1@nreb.gov.my)</li> <li>3. Mr. Asfaazam Kasbani, Assistant Resident Representative (Energy and Environment), UNDP Malaysia. (phone: +60-3-20915133 or e-mail: asfaazam.kasbani@undp.org)</li> </ol>